

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.	MO-0106364
Owner:	Shorewood Sewer Association
Address:	319 Buckingham Street, St. Peters, MO 33991
Continuing Authority:	Same as above
Address:	Same as above
Facility Name:	Shorewood Estates WWTF
Facility Address:	Shorewood Estates, Tract A, Lake Ozark, MO 65049
Legal Description:	SW ¼, NW ¼, Sec. 13, T40N, R16W, Miller County
Receiving Stream:	Lake of the Ozarks (L2) 303(d)
First Classified Stream and ID:	Lake of the Ozarks (L2) (07205) 303(d)
USGS Basin & Sub-watershed No.:	(10290109-080005)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 – Subdivision / Sewerage Works - SIC #4952 / 4952

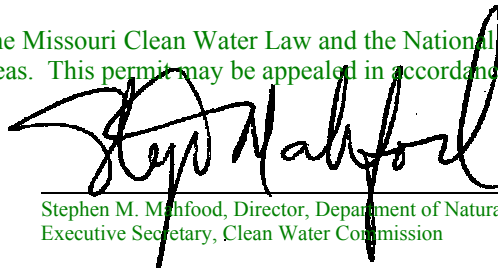
Extended aeration / ultraviolet disinfection / sludge holding / sludge disposal by contract hauler.

Design population equivalent is 26.
Design flow is 1,950 gallons per day.
Design sludge production is 0.47 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

October 15, 2004

Effective Date



Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

October 14, 2009

Expiration Date

R. Bruce Martin, Director, Southwest Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-0106364	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Biochemical Oxygen Demand ₅	mg/L		30	20	once/quarter**	grab
Total Suspended Solids	mg/L		30	20	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
Fecal Coliform (Note 1)	#/100 ml	1000		400	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>JANUARY 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I & III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Sample once per quarter in the months of **March, June, September, and December**. Reports shall be submitted by the 28th day of the month following the reporting period, e.g. Reporting period is the 1st quarter (sample collected in June), report due by July 28th.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - Final limitations and monitoring requirements for Fecal Coliform are applicable only during the recreational season from April 1 through October 31.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.

C. SPECIAL CONDITIONS (continued)

- (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

- 2. All outfalls must be clearly marked in the field.
- 3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
- 4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

- 5. Report as no-discharge when a discharge does not occur during the report period.
- 6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

C. SPECIAL CONDITIONS (continued)

7. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

- (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
- (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.



NPDES MONITORING REPORT FOR STORMWATER AND WASTEWATER DISCHARGES

Quarterly Sampling – Quarterly Reporting



PART I: FACILITY INFORMATION											
Shorewood Estates WWTF MO-0106364 Miller Extended aeration		Owner Address: Shorewood Sewer Association, Inc. 319 Buckingham Street St. Peters, MO 63376		If Address Change is Requested: Owner <input type="checkbox"/> Billing <input type="checkbox"/> _____ _____ _____				Billing Address: Shorewood Sewer Association, Inc. 319 Buckingham Street St. Peters, MO 63376			
PART II: MONITORING INFORMATION											
THIS REPORT COVERS THE PERIOD: Please place an "X" in the box beneath the appropriate month											
1 st Quarter = January through March			2 nd Quarter = April through June			3 rd Quarter = July through September			4 th Quarter = October through December		
January	February	March	April	May	June	July	August	September	October	November	December
No Discharge for the Quarter <input type="checkbox"/>		Due April 28th		No Discharge for the Quarter <input type="checkbox"/>		Due July 28th		No Discharge for the Quarter <input type="checkbox"/>		Due Oct. 28th	
No Discharge for the Quarter <input type="checkbox"/>				No Discharge for the Quarter <input type="checkbox"/>				No Discharge for the Quarter <input type="checkbox"/>			
Outfall #: 001		Samples Collected By		Phone:		Analyses Performed by (LAB):				Phone:	
PART III: ANALYTICAL RESULTS											
PARAMETERS		PERMITTED FINAL LIMITS	RECORD ACTUAL RESULTS OF ANALYSIS – DO NOT AVERAGE		SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	ANALYSIS DATE	ANALYTICAL METHOD		
FLOW	MGD	Design .00195									
BOD	mg/L	20 monthly avg. 30 weekly avg.									
TOTAL SUSPENDED SOLIDS	mg/L	20 monthly avg. 30 weekly avg.									
pH	UNITS	6.0 – 9.0									
FECAL COLIFORM	mg/L	400 monthly avg. 1000 daily max.									
PART III: ANALYTICAL RESULTS (IF A SECOND SAMPLE IS TAKEN, RECORD DATA HERE)											
PARAMETERS		PERMITTED FINAL LIMITS	RECORD ACTUAL RESULTS OF ANALYSIS – DO NOT AVERAGE		SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	ANALYSIS DATE	ANALYTICAL METHOD		
FLOW	MGD	Design .00195									
BOD	mg/L	20 monthly avg. 30 weekly avg.									
TOTAL SUSPENDED SOLIDS	mg/L	20 monthly avg. 30 weekly avg.									
pH	UNITS	6.0 – 9.0									
FECAL COLIFORM	mg/L	400 monthly avg. 1000 daily max.									

PART III: ANALYTICAL RESULTS (IF A THIRD SAMPLE IS TAKEN, RECORD DATA HERE)									
PARAMETERS		PERMITTED FINAL LIMITS	RECORD ACTUAL RESULTS OF ANALYSIS – DO NOT AVERAGE	SAMPLE DATE	SAMPLE TIME	SAMPLE TYPE	ANALYSIS DATE	ANALYTICAL METHOD	
FLOW	MGD	Design .00195							
BOD	mg/L	20 monthly avg. 30 weekly avg.							
TOTAL SUSPENDED SOLIDS	mg/L	20 monthly avg. 30 weekly avg.							
pH	UNITS	6.0 – 9.0							
FECAL COLIFORM	mg/L	400 monthly avg. 1000 daily max.							
PART IV: CONTACT INFORMATION									
Facility Contact:			Phone:		Operator:			Phone:	
Owner Approval (printed):			Owner Approval (signature):					Date:	
Comments (If violation occurred, please explain possible cause)									

Return form to: Missouri Department of Natural Resources
Southwest Regional Office
2040 West Woodland
Springfield, MO 65807